

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/018226

A. CLASSIFICATION OF SUBJECT MATTER		
Int.Cl. ⁷ H01L51/50 (2006. 01)		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Int.Cl. ⁷ H01L51/50 (2006. 01)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched <small>Published examined utility model applications of Japan 1922-1996 Published unexamined utility model applications of Japan 1971-2005 Registered utility model specifications of Japan 1996-2005 Published registered utility model applications of Japan 1994-2005</small>		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	JP 2005-251587 A (TDK CO., LTD.) 2005.09.15, claims 1-5, paragraphs 56 and 61 (No Family)	1-31
P, X	JP 2005-166637 A (J.Kido and IMES CO., LTD.) 2005.06.23, paragraphs 7 and 18, Fig.4 (No Family)	1-31
A	JP 10-270171 A (J.Kido and IMES CO., LTD.) 1998.10.09, paragraphs 6-9 (No Family)	1-31
A	JP 11-251067 A (J.Kido and IMES CO., LTD.) 1999.09.17, page 3, left column, lines 3-7 (No Family)	1-31
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the international search report
04.11.2005		15.11.2005
Name and mailing address of the ISA/JP		Authorized officer
Japan Patent Office		Toshimitsu Satomura
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		2V 9314
		Telephone No. +81-3-3581-1101 Ext. 3271